

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART A: GENERAL

1. *NAME OF RESEARCH SHIP* Tridens *CRUISE NO.* WK 26-29/3
2. *DATES OF CRUISE* From: 23/06/2003 To: 18/07/2003
3. *OPERATING AUTHORITY* Ministry of Agriculture, Nature Management & Fisheries,
Besuidenhoutseweg 73,
The Hague.
- Telephone: 070 3792349
Facsimile: 070 3825648
Telex: 32040 Lavinl
Email: J.W.Groen@viss.agro.nl
4. *OWNER*
(if different from No. 3)
5. *PARTICULARS OF SHIP*
- | | |
|--|-------------|
| <i>NAME:</i> | Tridens |
| <i>NATIONALITY:</i> | Dutch |
| <i>OVERALL LENGTH:</i> | 73.5 metres |
| <i>MAXIMUM DRAUGHT:</i> | 5.20 metres |
| <i>NET TONNAGE:</i> | 659 |
| <i>PROPULSION:</i> | Diesel |
| <i>CALL SIGN:</i> | PBVO |
| <i>REGISTERED PORT & NUMBER:</i>
(if registered fishing vessel) | |
6. *CREW*
- | | |
|------------------------|------------|
| <i>NAME OF MASTER:</i> | A. Hofland |
| <i>NO. OF CREW:</i> | 17 |
7. *SCIENTIFIC PERSONNEL*
- | | |
|---|--|
| <i>NAME AND ADDRESS OF SCIENTIST IN CHARGE:</i> | A. Eltink
Neth. Inst. for Fisheries Research,
P.O. Box 68,
IJmuiden |
| <i>TEL./TELEX/FAX NO:</i> | +31 255 564646/464644 |
| <i>NUMBER OF SCIENTISTS:</i> | 4 |
8. *GEOGRAPHICAL AREA IN WHICH SHIP WILL OPERATE*
(with reference to latitude and longitude)
62deg 00 - 53deg 00 N and 004deg 00 W - 009deg 00 E
9. *BRIEF DESCRIPTION OF PURPOSE OF CRUISE*
Herring echo survey
10. *DATES AND NAMES OF INTENDED PORTS OF CALL*
Aberdeen: 28/06/2003 - 29/06/2003
Leith: 12/07/2003 - 13/07/2003
11. *ANY SPECIAL REQUIREMENTS AT PORTS OF CALL*
None

NOTIFICATION OF PROPOSED RESEARCH CRUISE

PART B: DETAIL

1. *NAME OF RESEARCH SHIP* Tridens *CRUISE NO.* WK 26-29/3

2. *DATES OF CRUISE* From: 23/06/2003 To: 18/07/2003

3. a) *PURPOSE OF RESEARCH*

To carry out a hydro acoustic survey defining the abundance of herring in the western part of the North Sea, in cooperation with the Institutes of Norway, Scotland, Denmark and Germany. Calibration of the echosounder in a sheltered area, preferably at Scapa Flow, Orkneys (58deg 56'71 N - 003deg 00'57 W).

b) *GENERAL OPERATIONAL METHODS*

(including full description of any fishing gear trawl type, mesh size, etc.)

A pelagic trawl (2000 meshes), fitted out with an inner codend of 20 mm meshes, will be used for identifying the traces.

For the calibration, the ship has to be anchored in a sheltered location, and the 38 kHz transducer will be calibrated with the aid of a small copper sphere that is lowered below the keel of the ship. For the calibration of a second 38 kHz transducer which is built in a towed body, the towed body (2,5 x 1 m) 300 kg, stainless steel) has to be lowered a few metres below the surface. The entire operation will not take more than 6 hours. A CTD profile will be taken at the calibration site. No fishing will be conducted, and no other electronic instruments than the normal 36 kHz echosounder and the CTD will be operated.

4. *ATTACH CHART*

(showing (on an appropriate scale) the geographical area of the intended work, positions of intended stations, tracks of survey lines, positions of moored/seabed equipment, areas to be fished)

Chart included

5. a) *TYPES OF SAMPLES REQUIRED*

(e.g. Geological/Water/Plankton/Fish/Radionuclide)

Examples of pelagic fishes for biological research will be retained on board.

CTD profiles.

b) *METHODS OF OBTAINING SAMPLES*

(e.g. dredging/coring/drilling/fishing, etc.)

(When using fishing gear, indicate fish stocks being worked, quantity of each species required, quantify of fish to be retained on board)

Samples of pelagic fishes will be collected by fishing.

CTD profiles will be taken by lowering a CTD probe as deep as the bottom.

6. *DETAILS OF MOORED EQUIPMENT*

DATES: None

<u>Laying</u>	<u>Recovery</u>	<u>Description</u>	<u>Depth</u>	<u>Latitude</u>	<u>Longitude</u>
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7. *ANY HAZARDOUS MATERIALS*

*(Chemicals, Explosives, Gases, Radioactive etc)
(use separate sheet, if necessary)*

None

- a) *TYPE AND TRADE NAME*
- b) *CHEMICAL CONTENT (& FORMULA)*
- c) *IMO IMDG CODE REFERENCE & UN. NO.*
- d) *QUANTITY & METHOD OF STOWAGE ON BOARD*
- e) *IF EXPLOSIVES GIVE DATE(S) OF DETONATION*
 - *Method of detonation*
 - *Position of detonation*
 - *Frequency of detonation*
 - *Depth of detonation*
 - *Size of explosive charge in Kgs*

8. *DETAIL & REFERENCE OF*

a) *ANY RELEVANT PREVIOUS/FUTURE CRUISES*

From 24/06/96 to 19/07/96: Herring echo survey
 From 16/06/97 to 18/07/97: Herring echo survey
 From 22/06/98 to 17/07/98: Herring echo survey
 From 21/06/99 to 16/07/99: Herring echo survey
 From 19/06/00 to 14/07/00: Herring echo survey
 From 25/06/01 to 20/07/01: Herring echo survey
 From 24/06/02 to 19/07/02: Herring echo survey

b) *ANY PREVIOUSLY PUBLISHED DATA RELATING TO THE PROPOSED CRUISE*

ICES 2000. Report of the Planning Group for Herring Surveys. ICES CM 2003/G:02

9. *NAMES AND ADDRESSES OF SCIENTISTS OF THE COASTAL STATE(S) IN WHOSE WATERS THE PROPOSED CRUISE TAKES PLACE WITH WHOM PREVIOUS CONTACT HAS BEEN MADE*

R. Toresen, Inst. of Mar. Res., PO Box 1670 Nordnes, N-5024 Bergen, Norway

E.J. Simmonds, SOAEFD Mar. Lab., PO Box 101, Victoria Road, Aberdeen, AB11 9DB

10. *STATE*

a) *WHETHER VISITS TO THE SHIP IN PORT BY SCIENTISTS OF THE COASTAL STATE CONCERNED WILL BE ACCEPTABLE*

Yes

b) *PARTICIPATION OF AN OBSERVER FROM THE COASTAL STATE FOR ANY PART OF THE CRUISE TOGETHER WITH THE DATES AND PORTS FOR EMBARKATION/DISEMBARKATION*

c) *WHEN RESEARCH DATA FROM THE INTENDED CRUISE IS LIKELY TO BE MADE AVAILABLE TO THE COASTAL STATE AND BY WHAT MEANS*

Cruise report within two months after the survey.

PART C: SCIENTIFIC EQUIPMENT

COASTAL STATE: Scotland, UK
 PORT CALL: Aberdeen/Leith
 DATES: 28/06/03 - 29/06/03
 12/07/03 - 13/07/03

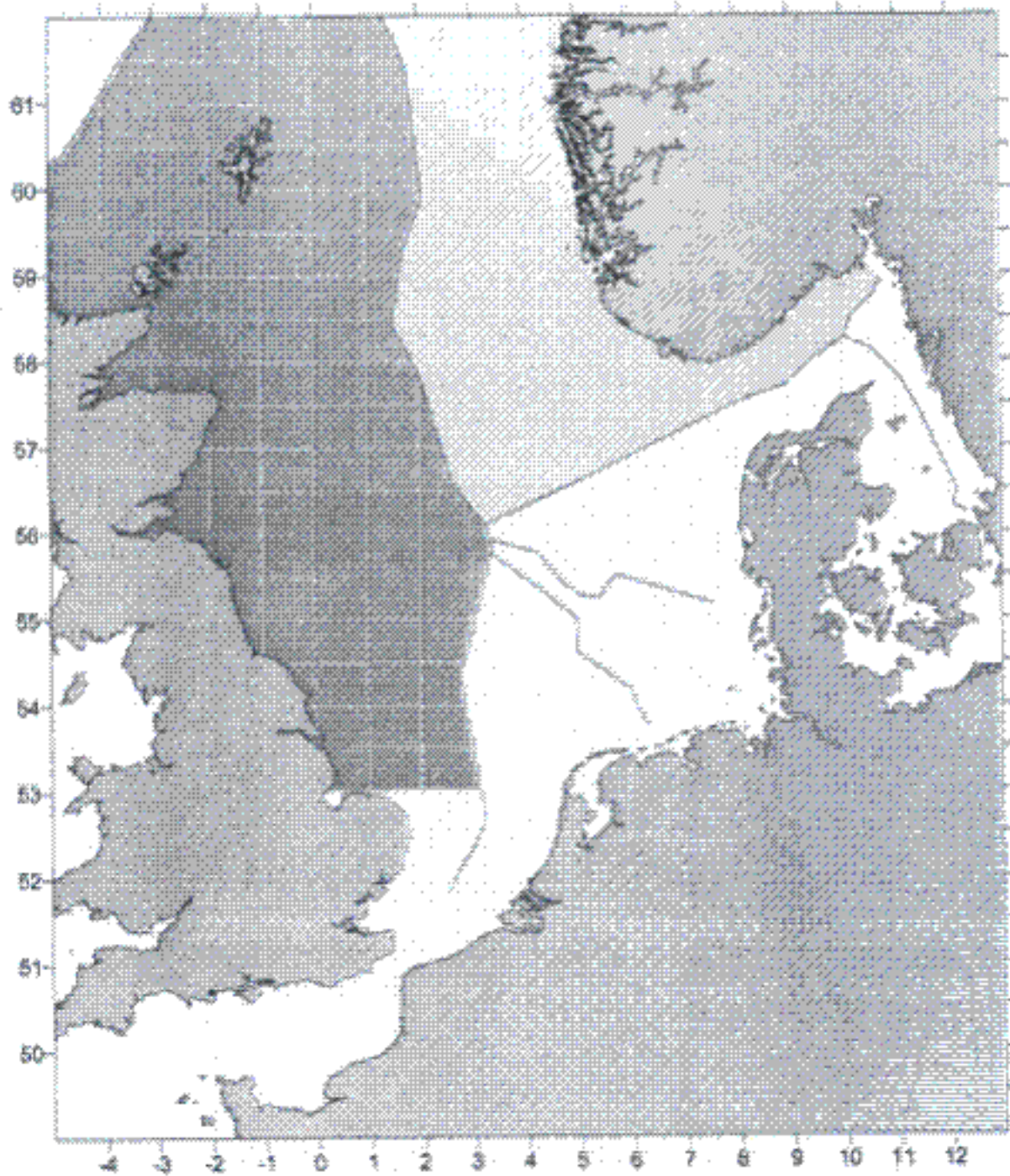
11. COMPLETE THE FOLLOWING TABLE - SEPARATE PAGE FOR EACH COASTAL STATE
 (indicate "Yes" or "No")

				DISTANCE FROM COAST		
				WITHIN 12 NM	BETWEEN 12 AND 200 NM	(Continental Shelf work only) Beyond 200 NM but within the Continental Margin
LIST SCIENTIFIC WORK BY FUNCTION e.g. MAGNETOMETRY GRAVITY DIVING SEISMICS BATHYMETRY SEABED SAMPLING TRAWLING ECHO SOUNDING WATER SAMPLING U/W TV MOORED INSTRUMENTS TOWED INSTRUMENTS	WATER COLUMN INCLUDING SEDIMENT SAMPLING OF THE SEABED	FISHERIES RESEARCH WITHIN FISHING LIMITS	RESEARCH CONCERNING THE NATURAL RESOURCES OF THE CONTINENTAL SHELF OR ITS PHYSICAL CHARACTERISTICS			
	Yes	Yes	No	Yes	Yes	Yes

(On behalf of the Principal Scientist)

Dated 27th January 2003

N.B. IF ANY DETAILS ARE MATERIALLY CHANGED REGARDING DATES/AREA OF OPERATION AFTER THIS FORM HAS BEEN SUBMITTED, THE COASTAL STATE AUTHORITIES MUST BE NOTIFIED IMMEDIATELY.



North Sea acoustic survey for herring, Tridens 23 June - 19 July 2005.